Excluded References

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| **Number** | **Author and Year** | **Reason for Exclusion** |
| 1 | (Cummings et al., 2022) | CD56neg NK definition based on RNAseq with no extractable data |
| 2 | (Chen et al., 2022) | Did not meet our CD56neg NK definition |
| 3 | (George et al., 2022) | Met CD56neg NK definition, but extractable data did not fit our analysis – only HIV-1+ groups and no data for comparing CD56dim to CD56neg NK cells |
| 4 | (Choi et al., 2021) | Did not meet our CD56neg NK definition |
| 5 | (Cao et al., 2021) | Did not meet our CD56neg NK definition |
| 6 | (Zhang et al., 2021) | Did not meet our CD56neg NK definition |
| 7 | (Desimio et al., 2021) | Did not meet our CD56neg NK definition |
| 8 | (Sun et al., 2021) | Did not meet our CD56neg NK definition |
| 9 | (Doria et al., 2021) | Did not meet our CD56neg NK definition |
| 10 | (Chretien et al., 2021) | Did not meet our CD56neg NK definition |
| 11 | (Lee et al., 2021) | Did not meet our CD56neg NK definition |
| 12 | (Gelbard et al., 2021) | Met CD56neg NK definition, but extractable data did not fit our analysis – only absolute CD56neg count available |
| 13 | (Chen et al., 2021) | Did not meet our CD56neg NK definition |
| 14 | (Bozzano et al., 2021) | Met CD56neg NK definition, but extractable data did not fit our analysis – CD56neg data from cultured cells and were not assumed to represent *in vivo* populations |
| 15 | (Wiedemann et al., 2020) | Did not meet our CD56neg NK definition |
| 16 | (Marcos-Jimenez et al., 2021) | Did not meet our CD56neg NK definition |
| 17 | (Orrantia et al., 2020) | Met CD56neg NK definition, but was a protocol paper without extractable data |
| 18 | (Smith et al., 2020) | Met CD56neg NK definition, but extractable data did not fit our analysis – gene expression data from scRNAseq dataset |
| 19 | (Soares et al., 2020) | Did not meet our CD56neg NK definition |
| 20 | (Utay et al., 2020) | Did not meet our CD56neg NK definition |
| 21 | (Alecsandru et al., 2020) | Did not meet our CD56neg NK definition |
| 22 | (Ma et al., 2019) | Did not meet our CD56neg NK definition |
| 23 | (Jin et al., 2019) | Did not meet our CD56neg NK definition |
| 24 | (Yang et al., 2019) | Met CD56neg NK definition, but extractable data did not fit our analysis – gene expression data from scRNAseq dataset |
| 25 | (Voigt et al., 2018) | Met CD56neg NK definition, but extractable data did not fit our analysis – proteomic data |
| 26 | (Forconi et al., 2018) | Did not meet our CD56neg NK definition |
| 27 | (Muccio et al., 2018) | Met CD56neg NK definition, but extractable data did not fit our analysis – CD56neg data from stem cell transplant patients |
| 28 | (Cimini et al., 2017) | Did not meet our CD56neg NK definition |
| 29 | (Zhang et al., 2017) | Did not meet our CD56neg NK definition |
| 30 | (Morais-Papini et al., 2017) | Did not meet our CD56neg NK definition |
| 31 | (Childs et al., 2017) | Did not meet our CD56neg NK definition |
| 32 | (Sips et al., 2016) | Did not meet our CD56neg NK definition |
| 33 | (Valenzuela-Membrives et al., 2016) | Did not meet our CD56neg NK definition |
| 34 | (Bersani et al., 2016) | Did not meet our CD56neg NK definition |
| 35 | (Mace et al., 2016) | Met CD56neg NK definition, but extractable data did not fit our analysis – CD56neg data related to motility |
| 36 | (Oh et al., 2016) | Met CD56neg NK definition, but extractable data did not fit our analysis – CD56neg data on a subset instead of for whole population |
| 37 | (Muccio et al., 2016) | Did not meet our CD56neg NK definition |
| 38 | (Campos et al., 2015) | Did not meet our CD56neg NK definition |
| 39 | (Horowitz et al., 2015) | Did not meet our CD56neg NK definition |
| 40 | (Frias et al., 2015) | Did not meet our CD56neg NK definition |
| 41 | (Jensen et al., 2015) | Did not meet our CD56neg NK definition |
| 42 | (de Kivit et al., 2015) | Did not meet our CD56neg NK definition |
| 43 | (Campos et al., 2014a) | Did not meet our CD56neg NK definition |
| 44 | (Campos et al., 2014b) | Did not meet our CD56neg NK definition |
| 45 | (Wang et al., 2014) | Did not meet our CD56neg NK definition |
| 46 | (Trifonova et al., 2013) | Did not meet our CD56neg NK definition |
| 47 | (Farnault et al., 2013) | Did not meet our CD56neg NK definition, in addition to being a case study |
| 48 | (Prada et al., 2013) | Did not meet our CD56neg NK definition |
| 49 | (Mamessier et al., 2013) | Did not meet our CD56neg NK definition |
| 50 | (Okamura et al., 2013) | Did not meet our CD56neg NK definition |
| 51 | (Jia et al., 2013) | Did not meet our CD56neg NK definition |
| 52 | (Slyker et al., 2012) | Did not meet our CD56neg NK definition |
| 53 | (Cruz et al., 2012) | Did not meet our CD56neg NK definition |
| 54 | (Wiesmayr et al., 2012) | Did not meet our CD56neg NK definition |
| 55 | (Pena et al., 2012) | Did not meet our CD56neg NK definition |
| 56 | (Kulkarni et al., 2012) | Did not meet our CD56neg NK definition |
| 57 | (Alter et al., 2011) | Did not meet our CD56neg NK definition |
| 58 | (De Angelis et al., 2011) | Met CD56neg NK definition, but extractable data did not fit our analysis – CD56neg data not from CD16-defined cells |
| 59 | (Vieillard et al., 2010) | Did not meet our CD56neg NK definition |
| 60 | (Mantegani et al., 2010) | Did not meet our CD56neg NK definition |
| 61 | (Muzzioli et al., 2009) | Did not meet our CD56neg NK definition |
| 62 | (Zarife et al., 2009) | Did not meet our CD56neg NK definition |
| 63 | (Mestre et al., 2008) | Did not meet our CD56neg NK definition |
| 64 | (Lu et al., 2008) | Did not meet our CD56neg NK definition |
| 65 | (Nguyen et al., 2006) | Did not meet our CD56neg NK definition, in addition to being a case study |
| 66 | (Alter et al., 2006) | Did not meet our CD56neg NK definition |
| 67 | (Harada et al., 2005) | Did not meet our CD56neg NK definition, in addition to being a humanised mouse study |
| 68 | (Alter et al., 2005) | Did not meet our CD56neg NK definition |
| 69 | (Tarazona et al., 2002) | Did not meet our CD56neg NK definition |
| 70 | (Carayol et al., 1998) | Did not meet our CD56neg NK definition, also data was from cultured cells and not assumed to represent *in vivo* populations |
| 71 | (Hu et al., 1995) | Met CD56neg NK definition, but extractable data did not fit our analysis – only absolute CD56neg count and CD56neg % lymphocytes available |
| 72 | (Rigal et al., 1994) | Did not meet our CD56neg NK definition |
| 73 | (Bradstock et al., 1993) | Met CD56neg NK definition, but extractable data did not fit our analysis – only marker expression based on CD56+/- expression without being CD56-CD16+ |
| 74 | (Vitolo et al., 1993) | Met CD56neg NK definition, but extractable data did not fit our analysis – only RNA expression and on varied CD56neg definition |
| 75 | (McKenzie et al., 1992) | Met CD56neg NK definition, but extractable data did not fit our analysis – only lytic units given specifically for CD56neg cells |
| 76 | (Yu et al., 1991) | Did not meet our CD56neg NK definition |
| 77 | (Ellis and Fisher, 1989) | Did not meet our CD56neg NK definition |
| 78 | (Lanier et al., 1986) | Did not meet our CD56neg NK definition |

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